



Customer information packet

VEUHM3615T

5HP, 1755RPM, 3PH, 60HZ, 184TC, 3642M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	184TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CE CSA CSA EEV NEMA PREMIUM UR WEEE
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	6.700 A @ 460.0 V 14.000 A @ 208.0 V 13.400 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated

Part detail

Revision	H
Type	AC
Mech. spec.	36A003
Base	
Status	PRD/A
Elec. spec.	36WGQ032
Layout	36LYA003
Eff. date	05-21-2025
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	12-03-2020

Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.7 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3642M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.04 IN
Power Factor	78
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1755 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Vibration Sensor Indicator**No Vibration Sensor****Winding Thermal 1****None****Winding Thermal 2****None**

Nameplate

NP2934L	
CAT.NO.	VEUHM3615T
SPEC.	36A003Q032G1
HP	5/3.73KW
VOLTS	230/460
AMP	13.4/6.7 IP44 IC411 43KG
R.P.M. (1/MIN)	1755
FRAME	184TC HZ 60 PH 3
SER.F.	1.15 CODE J DES B CL F
NEMA-NOM-EFF	89.5 PF 78
RATING	40C AMB-S1 CONT
CC	010A
DE	6206 ODE 6205
ENCL	TEFC SN [REDACTED]
	IE3-90.1(75%)89.4(50%)

AC Induction Motor Performance Data

Record # 89917

Typical performance - not guaranteed values

Winding: 36WGQ032-R001		Type: 3642M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	5		Full Load Torque	15 LB-FT	
Volts	230/460		Start Configuration	direct on line	
Full Load Amps	13.4/6.7		Breakdown Torque	53.1 LB-FT	
R.P.M.	1755		Pull-up Torque	23.4 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque	34.7 LB-FT	
NEMA Design Code	B KVA Code	J	Starting Current	49.8 A	
Service Factor (S.F.)	1.15		No-load Current	3.31 A	
NEMA Nom. Eff.	89.5 Power Factor	78	Line-line Res. @ 25°C	2.4 Ω	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	71°C	
S.F. Amps			Temp. Rise @ S.F. Load	86°C	
			Locked-rotor Power Factor	40.6635	
			Rotor inertia	0.391 lb-ft ²	

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	60	72	79	82	84	81
Efficiency	83.8	88.9	89.8	89.5	88.4	86.8	88.8
Speed	1789	1778	1766	1753	1738	1722	1744
Line amperes	3.64	4.39	5.45	6.66	8.08	9.67	7.51

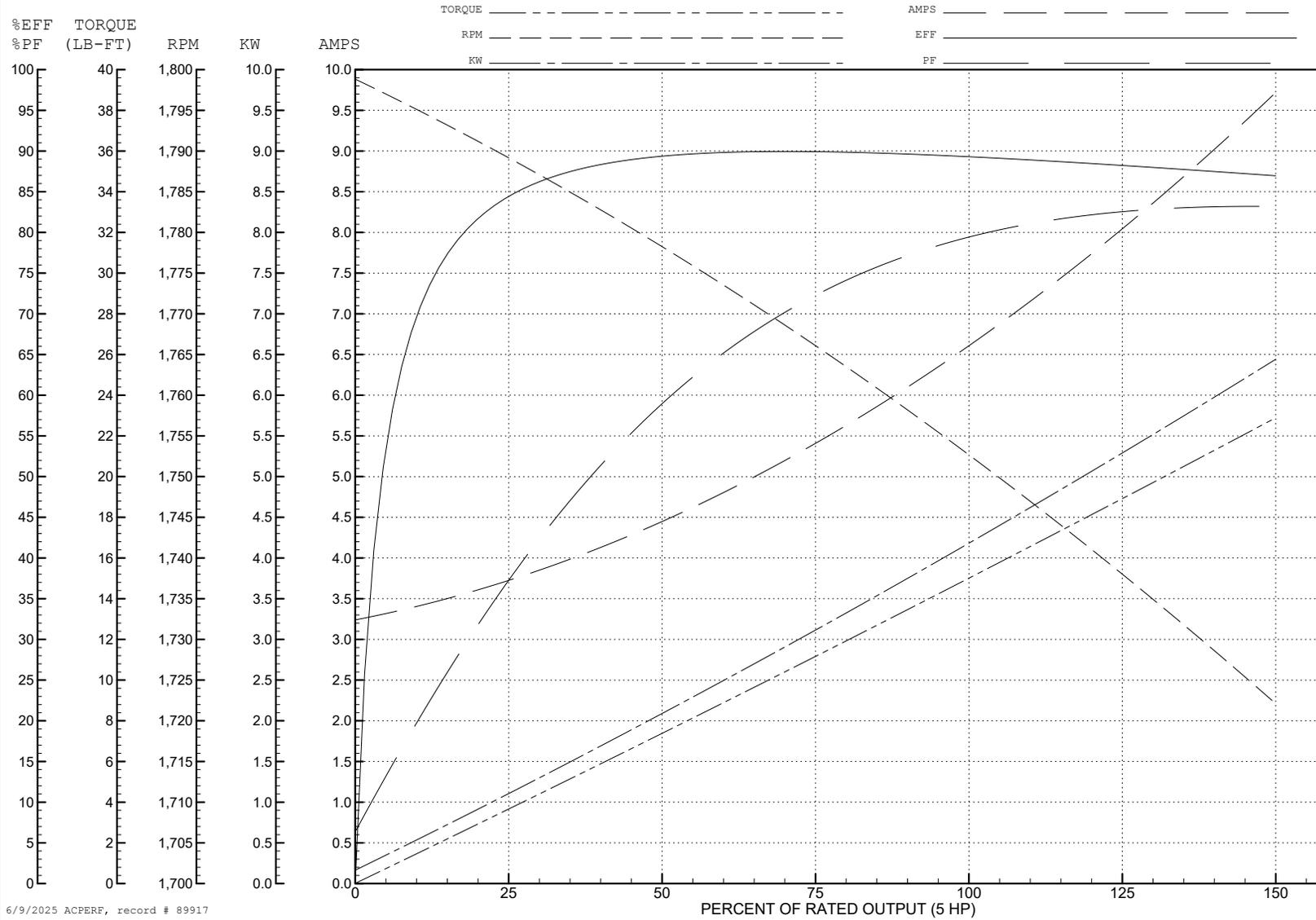
ABB Motors and Mechanical Inc.

WINDING # 36WGQ032

5 HP 3 PH 60 HZ 1755 RPM 460 V 3642M

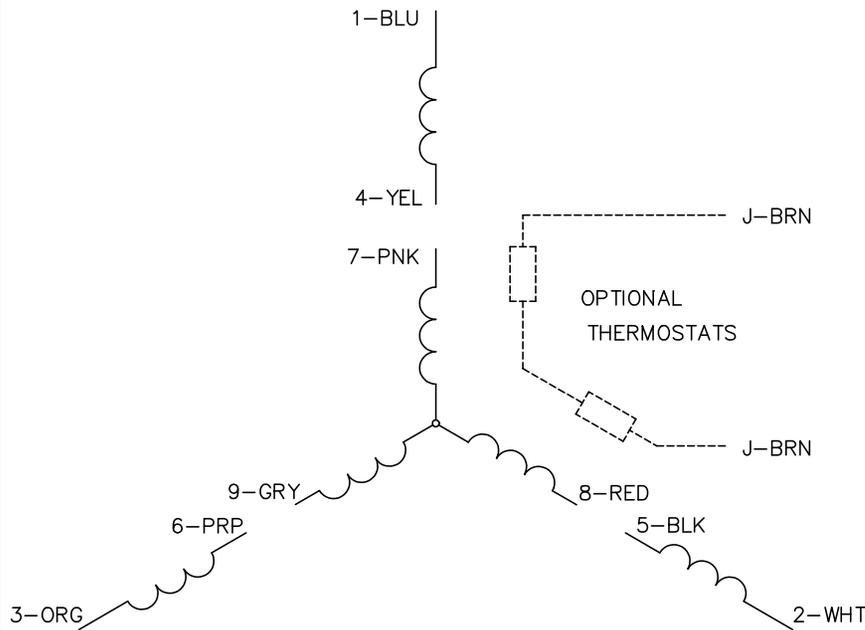
Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=53.1 PU=23.4 LR=34.7 LRA=49.8

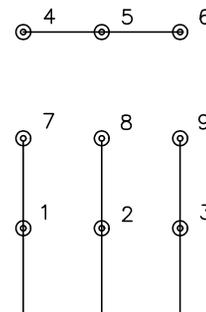


6/9/2025 ACPERF, record # 89917

CD0005



LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005